Install Instructions for AWIPS Release 5.0 IFPS

Please Call the NCF before you install R5.0 IFPS

PLEASE READ ENTIRE DOCUMENT BEFORE BEGINNING INSTALLATION!

Perform the Pre-installation Requirements in advance of the R5.0 IFPS upgrade.

On the day of the install, call the NCF and tell them you are doing the R5.0 IFPS upgrade; give them the version date of the installation instructions you are using. Coordinate with your service backup sites, as needed.

The R5.0 IFPS install will take about 20 - 30 minutes at a WFO.

NOTE 1: **No LAMP or ICWF functionality for 30 minutes.**

NOTE 2: **DO NOT use <CTL-C> to stop the installation scripts during the installation.**

NOTE 3: **DO NOT PROCEED if any unexpected problems are encountered. Instead, contact the NCF immediately before taking any action.**

NOTE 4: **This Release is for CONUS WFO's Only. Do not attempt to install elsewhere.**

Part 0: Pre-installation Requirements (can be done a few days before R5.0 IFPS upgrade)

1. At least, Release 5.0 has been installed.

2. Read this entire document before the upgrade.

   In addition, as time goes on, a lessons learned document will be created and updated. This will contain information which will supplement the R5.0 IFPS installation instructions. A few days before your upgrade, you should go to the following webpage and download the latest lessons learned document, if one is created.

   http://www.oso3.nws.noaa.gov/awips_softwre.htm

3. The release 5.0 IFPS CD has been received. Someone at your site has taken IFPS training at the National Weather Service Training Center (NWSTC).

4. Release 5.0.IFPS deletes the contents of /awips/adapt/ifps/bin. So, it is necessary for the IFPS focal point to save modifications that need to be preserved.

5. Download state and city shape files onto AWIPS.

   A. Use the following commands to obtain the following undermentioned from NOAA1 and place them into /data/fxa/nationalData.

      web_city.dbf
      web_city.shp
      web_city.shx
      s_25se00.dbf
      s_25se00.shp
      s_25se00.shx

      (a) Login the DS1 as fxa

      (b) Change to "/data/fxa/nationalData" directory by entering:

      `cd /data/fxa/nationalData`

      (c) Connect to the NOAA1 ftp server by entering the command:

      `ftp 165.92.30.15`

Once you are connected to the NOAA1 ftp server, login as **ftp** user with a password of **4AWIPS!**

(d) Get the above listed files from NOAA1 ftp server by entering the commands:

```
binary

hash

cd /pub/maps
get web_city.dbf
get web_city.shp
get web_city.shx
get s_25se00.dbf
get s_25se00.shp
get s_25se00.shx

bye
```

B. Rename state shape files

```
cd /data/fxa/nationalData
mv s_25se00.dbf states.dbf
mv s_25se00.shp states.shp
mv s_25se00.shx states.shx
```

C. Rename city shape files

```
mv web_city.dbf cities.dbf
mv web_city.shp cities.shp
mv web_city.shx cities.shx
```

PART 1: Install Release 5.0 IFPS

1. Call the NCF to tell them that you will perform the R5.0 IFPS upgrade.

   Next, terminate and exit all ICWF/WWA sessions on all graphic and text workstations.

2. From a graphic workstation, start a telnet window and **login as root**. **All commands to follow are executed from the DS1 as root.**

   From the telnet window, use the rlogin command to log into the DS1 by entering the following command:

   ```
   rlogin ds1 -l root
   ```

3. Verify the system is in "normal" operations with no “dsswap” package failed over. If you run into a problem, call the NCF.

   ```
   cmviewcl
   ```

   NOTE: Output should be as follows: (The “dsswap” package should be up and running on ds1-<site>, where <site> is your site ID in lower case , e.g. eax, lwx.)

```
CLUSTER      STATUS
awips        up

NODE         STATUS       STATE
ds1-<site>   up           running

PACKAGE      STATUS       STATE        PKG_SWITCH   NODE
dsswap       up           running      enabled      ds1-<site>

NODE         STATUS       STATE
ds2-<site>   up           running
as1-<site>   up           running

PACKAGE      STATUS       STATE        PKG_SWITCH   NODE
as1swap      up           running      enabled      as1-<site>

NODE         STATUS       STATE
as2-<site>   up           running

PACKAGE      STATUS       STATE        PKG_SWITCH   NODE
as2swap      up           running      enabled      as2-<site>
```

4 Mount the CD on the DS1:

Insert the Release 5.0 IFPS CD into the CD-ROM drive on the DS1 and run the following command:

For K class server:

```
mount /dev/dsk/c3t2d0 /cdrom
```

For D class server:

```
mount /dev/dsk/c1t2d0 /cdrom
```

If no errors occurred proceed to Step 5, otherwise contact the NCF.

5. Run the "installIFPS50" script: (Sample output and error information are shown in Appendix A, page A1-1.)

```
cd /cdrom
script –a /home/ncfuser/installIFPS50.out
timex ./installIFPS5.0 upgrade
./stopscript
```

NOTE: The installIFPS50 script can take about 20 - 30 minutes (assumes one dedicated radar). This step will shut down all LAMP and ICWF processes, install IFPS, and restart LAMP and IFPS.

If no errors occurred proceed to Step 6, otherwise contact the NCF.

6. Please do the following.

Start IFPS.

i. This is necessary because if you don't start IFPS within a couple of days of the upgrade, you will run into problems. Specifically, the subdirectory /data/logs/adapt/ifps will get deleted and you won't be able to restart IFPS.

ii. Similar, **if not use IFPS within 3 days**, the subdirectory /data/logs/adapt/ifps will get deleted.

Problems “i” and “ii” will be fixed in an upcoming patch. If you run into the problem and can’t start IFPS on a workstation, then on that workstation you will need to recreate the ifps subdirectory. To do this type the following commands then restart IFPS.

```
mkdir /data/logs/adapt/ifps
chmod 777 ifps
```

7. Go to the following web page and see if you need to install/reinstall any IFPS related patches.

   http://www.oso3.nws.noaa.gov/awipsrack/software/allpatches.htm

8. Un-mount the “5.0 IFPS” CD:

   A. Ensure in all open windows, that the current directory is not “cdrom”

   B. Type the following:

```
cd /
umount  /cdrom
```

Remove the current “R5.0 IFPS” CD from the CD-ROM drive on the DS1.